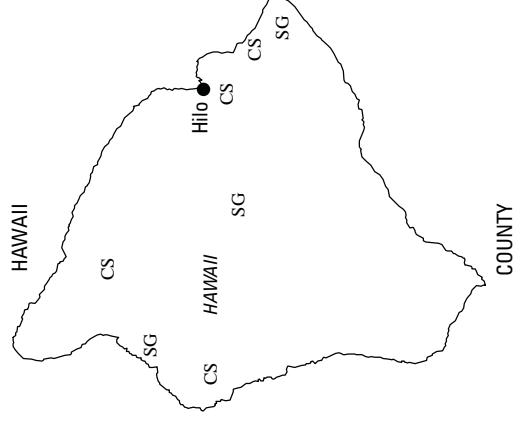
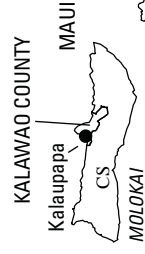
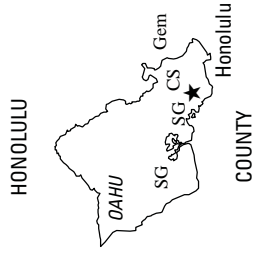
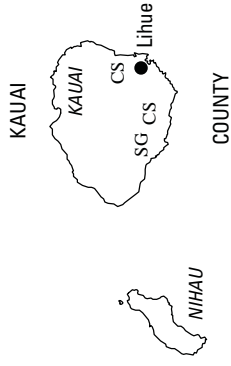




2008 Minerals Yearbook

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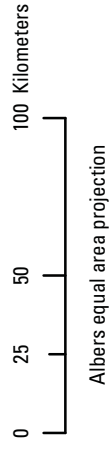


LEGEND

- ★ Capital
- City

MINERAL SYMBOLS (Principal producing areas)

- CS Crushed stone
- Gem Gemstones
- SG Construction sand and gravel



THE MINERAL INDUSTRY OF HAWAII

In 2008, Hawaii's nonfuel raw mineral production¹ was valued at \$162 million, based upon annual U.S. Geological Survey (USGS) data. This was a \$540,000, or 0.3%, increase from that of 2007, which followed a \$7 million, or about 4%, increase from 2006 to 2007. The State rose in rank to 42d from 44th among the 50 States in total nonfuel mineral production value. On a per-capita-basis, the State ranked 31st in the Nation in its mineral industry's value of nonfuel mineral production; with a population of about 1.3 million, the value of production was about \$126 per capita.

¹The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon the mineral products. Production may be measured by mine shipments, mineral commodity sales, or marketable production (including consumption by producers) as is applicable to the individual mineral commodity.

All 2008 USGS mineral production data published in this chapter are those available as of July 2010. All USGS Mineral Industry Surveys and USGS Minerals Yearbook chapters—mineral commodity, State, and country—can be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals>.

Mining in Hawaii consisted mostly of the quarrying of stone, used to produce crushed stone, and the extraction of sand and gravel from open pits. Both mineral commodities were produced for use by the construction industry. Gemstones, mostly black coral and precious coral, were also produced in significant quantities.

In 2008, crushed stone, by value, remained Hawaii's leading nonfuel mineral and accounted for 84% of the State's total nonfuel mineral production value. Production value of construction sand and gravel, up by \$5 million or 26%, led Hawaii's increase in value for the year. The most significant decrease in production value was crushed stone, down by \$5 million or 3.4%, followed by decreases in the quantities of crushed stone and construction sand and gravel, down by 14% and 10% respectively. Gemstone production value remained the same as in 2007.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN HAWAII^{1,2}

(Thousand metric tons and thousand dollars)

Mineral	2006		2007		2008	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones, natural	NA	107	NA	151	NA	151
Sand and gravel, construction	1,230	15,900	1,570 ^r	20,400 ^r	1,410	25,600
Stone, crushed	8,980	138,000	8,800 ^r	141,000 ^r	7,540	136,000
Total	XX	154,000	XX	161,000 ^r	XX	162,000

^rRevised. NA Not available. XX Not applicable

¹Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

²Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 2
HAWAII: CRUSHED STONE SOLD OR USED, BY TYPE¹

Type	2007			2008		
	Number of quarries	Quantity ^r (thousand metric tons)	Value ^r (thousands)	Number of quarries	Quantity (thousand metric tons)	Value (thousands)
Limestone	2 ^r	45	\$702	2	103	\$1,870
Traprock	21	6,900	111,000	20	6,450	117,000
Volcanic cinder and scoria	4	453	7,100	3	265	3,780
Miscellaneous stone	7 ^r	1,400	22,000	9	724	13,300
Total	XX	8,800	141,000	XX	7,540	136,000

^rRevised. XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 3
HAWAII: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2008, BY USE¹

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch):		
Filter stone	31	630
Other coarse aggregate	506	9,310
Coarse aggregate, graded:		
Concrete aggregate, coarse	W	W
Other graded coarse aggregate	132	2,760
Fine aggregate (-¾ inch):		
Stone sand, concrete	W	W
Other fine aggregate	269	6,520
Coarse and fine aggregates:		
Graded road base or subbase	W	W
Unpaved road surfacing	W	W
Terrazzo and exposed aggregate	W	W
Crusher run or fill or waste	W	W
Other coarse and fine aggregates	48	839
Other miscellaneous uses and specified uses not listed	72	1,210
Unspecified: ²		
Reported	2,330	42,200
Estimated	2,800	50,000
Total	7,540	136,000

W Withheld to avoid disclosing company proprietary data; included in "Total."

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Reported and estimated production without a breakdown by end use.

TABLE 4
HAWAII: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2008,
BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregates and concrete products	W	W	\$35.03
Road base and coverings ²	W	W	11.08
Fill	162	\$1,400	8.64
Other miscellaneous uses	370	7,740	20.92
Unspecified, estimated ³	880	16,500	18.74
Total or average	1,410	25,600	18.15

W Withheld to avoid disclosing company proprietary data; included in "Other miscellaneous uses."

¹Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

²Includes road and other stabilization (cement).

³Estimated production without a breakdown by end use.